

FNMA'13 and IMIM'13 conferences will be held simultaneously on Poros Island (Greece) **on 8-12 September 2013**

The aim of the Conference is to provide an opportunity for a meeting of scientists and technologists working on novel functional and nanostructured materials.

The conference programme will cover experimental investigations, theory and modelling of:

- Photonic and optoelectronic materials
 - Magnetic materials and diluted magnetic semiconductors
 - Catalytic and photocatalytic materials
 - Nanoparticle materials and nanolithography
 - Nanobiotechnology
 - Physics and technology of nanostructured semiconductors and superconductors
 - Metamaterials with special emphasis on Auxetic materials and models
 - Thin and thick films
 - Organic, hybrid and composite materials
 - Micro/Nano Electro Mechanical Systems (MEMS/NEMS): technology and applications
 - Physics and technology of carbon nanotubes and carbon-based materials
 - Industrial applications of nanotechnology
 - Nanotechnology Health & Safety
 - Photovoltaics
-



[Department of Solid State Physics, Faculty of Physics,
University of Athens, Greece](#)



[Department of Solid State Physics, Gdansk University of
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[Institute of Physics, Faculty of Mechanical Engineering and
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West Pomeranian University of Technology, Szczecin,
Poland](#)



[Lublin University of Technology, Poland](#)



[University of Zielona Gora, Poland](#)



[Institute of Molecular Physics, Poznan, Poland](#)



[PWSZ im. St. Wojciechowskiego, Kalisz, Poland](#)

In cooperation with:



[TASK - Academic Computer Centre in Gdansk, Poland](#)



[Poznan Supercomputing and Networking Centre, Poland](#)



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[Polish Physical Society](#)

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- Sz. Winczewski, Gdansk University of Technology, Poland - Secretary

- B. Zapotoczny, University of Zielona Gora, Poland
- G. Zolnierkiewicz, West Pomeranian University of Technology, Poland

Our lecturers

- I. Chadziagapiou (Athens, Greece)
- A. Chroneos (London, UK)
- M. Cieszyńska (Gdansk, Poland)
- Z. Dendzik (Katowice, Poland)
- M. Dudek (Zielona Gora, Poland)
- J. Grima (Msida, Malta)
- M. Grinberg (Gdansk, Poland)
- W. Kempinski (Poznan, Poland)
- C.A. Londos (Athens, Greece)
- A. Malakis (Athens, Greece)
- B. Padlyak (Lviv, Ukraine)
- G. Papaionou (Athens, Greece)
- A. Papathanasiou (Athens, Greece)
- G. Papavasiliou (Dimokritos, Athens)
- D. Petridis (Athens, Greece)
- J. Rybicki (Gdansk, Poland)
- N. Sarlis (Athens, Greece)
- A. Sikorski (Warsaw, Poland)
- C. Simserides (Athens, Greece)
- E. Soboleva (Yurga, Russia)
- J. Typek (Szczecin, Poland)
- K.W. Wojciechowski (Poznan, Poland)

Abstract book can be downloaded from [here](#).

Sunday, 8 September		
15:00 - 19:00		Registration
20:00		Welcome party

Monday, 9 September		
10:00 - 10:15	N. Guskos, C. A. Londos	Conference opening
10:15 - 11:00	G. J. Papadopoulos	Real time quantum tunneling
11:00 - 11:30	K. W. Wojciechowski	Simple models of auxetic foams
11:30 - 12:00	M. Grinberg	Compensation of Eu^{3+} ions in Ca^{2+} sites in $\beta\text{-Ca}_2\text{SiO}_4$ doped with europium
12:00 - 12:15		Coffee break
12:15 - 12:45	N. Sarlis	to be established
12:45 - 13:15	A. Chroneos	Defect engineering strategies in Si, $\text{Si}_{1-x}\text{Ge}_x$ and Ge
13:15 - 13:45	C. Simserides	Evolution of charge along DNA
13:45 - 15:00		Lunch
15:00 - 15:30	A. Papathanasiou	to be established
15:30 - 16:00	D. Petridis	to be established
16:00 - 16:30		to be established
16:30 - 17:00		Coffee break
17:00 - 19:00		Poster session 1
20:00		Dinner

Tuesday, 10 September		
10:00 - 10:30	M. Cieszyńska	Nanomaterials in environment
10:30 - 11:00	A. Sikorski	Dynamics in crowded environment - application of dynamic lattice liquid model
11:00 - 11:30	R. Cauchy	On the anomalous thermal and mechanical properties of smart honeycombs with t-shaped joints and related systems
11:30 - 12:00	I. A. Hadjiagapiou	The ising spin glass model in the presence of a random field
12:00 - 12:15		Coffee break
12:15 - 12:45	W. Kempinski	Kinetics of guest molecules insertion into nano-graphitic porous matrix
12:45 - 13:15	M. Kempinski	Spin localization in porous carbon-based systems with host-guest interactions
13:15 - 13:45	K. Lubkowski	Controlled release fertilizers as an example of functional materials
13:45 - 15:00		Lunch
15:00 - 19:30		Excursion
20:00		Gala dinner

Wednesday, 11 September		
10:00 - 10:30	B. Padlyak	Low-temperature static magnetic properties and FMR spectroscopy of Mg-Zn nanoferrites
10:30 - 11:00	S. Paszkiewicz	Mechanical and thermal stability of PTT-b-PTMO/graphene nanocomposites
11:00 - 11:30	I. Pelech	Influence of experimental conditions on purification and surface

		modification of CNTs during microwave assisted acid digestion method
11:30 - 12:00	J. Typek	Study of magnetic properties of new vanadate $\text{Cu}_{13}\text{Fe}_4\text{V}_{10}\text{O}_{44}$
12:00 - 12:15		Coffee break
12:15 - 12:45	E. Wawrzynska	Simulation of branched polymers - a Monte Carlo study
12:45 - 13:15	S. Gulkowski	Computer implementation of moving boundary problem in Matlab environment for modeling epitaxial growth process
13:15 - 13:45	D. Attard	On the negative properties of the AlPOs APC and APD: a molecular modelling study
13:45 - 15:30		Lunch
15:30 - 17:00		Round table discussion 1
17:00 - 17:15		Coffee break
17:15 - 19:00		Poster session 2
20:00		Dinner

Thursday, 12 September		
10:00 - 12:00		Round table discussion 2
12:00 - 12:30		Coffee break
12:30 - 13:00		to be established
13:00 - 13:30	N. Guskos	to be established
13:30		Conference closing
14:00		Lunch

Important Deadlines

Important Deadlines

- registration and abstract submission: **28 June 2013**
- abstract acceptance: **4 July 2013**
- early payment: **15 July 2013**
- last minute registration and payment (expensive): **1 September 2013**
Please note that after July, 15th the admission fee increases by 100 Euro.

For information about how to pay the fee follow [this link](#)

On-line Registration	
Deadlines		
Deadline for registration and abstract submission: 28 June 2013 Deadline for payment with reduced fee: 15 July 2013 More deadlines here		
Notes about abstract submission		
The abstract should be prepared using any common variant of TEX (e.g. Latex); A template with the Latex file source is included here . All you need to do is just put the text of your abstract into the marked places in the template file. Figures should be submitted as separate files, preferably in Encapsulated PostScript (EPS) or TIFF formats (300 dpi). The text and figure files should be packed in one archive and compressed using a common utility such as PKZip or tar + gzip. This ONE archive should be submitted as your abstract file. If you do not plan to include any figures in your abstract, you do not need to pack or compress it, just use the TEX file as the abstract.		
Base data		
Gender/Title	<input type="text" value="Mrs"/> <input type="text" value="Professor"/>	required
First name:	<input type="text"/>	required
Family name:	<input type="text"/>	required
Organisation name:	<input type="text"/>	required
Postal address:	<input type="text"/>	required
Zip/postal code:	<input type="text"/>	required
City:	<input type="text"/>	required
Country:	<input type="text" value="Choice"/>	required
Telephone number:	<input type="text"/>	required
Fax number:	<input type="text"/>	required
E-mail address:	<input type="text"/>	required
Your presentation		
Type of presentation:	<input type="text" value="None"/>	required
If your presentation type is 'None', just leave this field empty.		
Title:	<input type="text"/>	required
If your presentation type is 'None' just leave this field empty. Otherwise, if you plan to use figures, they should be submitted as separate files, preferably in Encapsulated PostScript (EPS) or TIFF formats (300 dpi). The text and figure files should be packed in one archive and compressed using a common utility such as PKZip or tar + gzip. This ONE archive should be submitted as your abstract file. If you do not plan to include any figures in your abstract, you do not need to pack or compress it, just use the TEX file as the abstract.		

Include your abstract:	<input type="button" value="Wybierz plik"/> Nie wybrano pliku	required
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Accompanying person details		
Title:	<input type="text"/>	
First name:	<input type="text"/>	
Family name:	<input type="text"/>	
Accompanying person two:	<input type="text"/>	
Accompanying person three:	<input type="text"/>	

Other		
Please, include important notes here.	<input type="text"/>	

Special dietary requirements		
	<input type="text"/>	

When the register button is pressed, the data will be verified. We really check all the required fields. If these details are not completely accurate, we will not be able to register you! Please double-check your entries before sending the details. Note: Our committee will examine your abstract. If it is accepted, your name should appear on the list of participants of the conference Web page.	
<input type="button" value="register"/> <input type="button" value="clear all"/>	

Fees and payment

Fees

- Before July, 15th:
 - 200,- Euro - regular fee
 - 100,- Euro - student fee
- After July, 15th:
 - 300,- Euro

The fee covers conference materials and local organisation costs.

Method of payment

Payment has to be done by bank transfer to:

Account name/payment title:	Special Account for Research Grants of the National and Kapodistrian University of Athens, Conference FNMA'13
Bank name	Emporiki Bank
Address	1 Korai & Stadiou str., 105 64 Athens, Greece
Number	81706531
IBAN	GR05 0120 5540 0000 0008 1706 531
BIC	EMPOGRAA

IMPORTANT:

Please send a copy of the bank confirmation of your conference fee payment or e-mail (pdf file) to:

prof. Niko Guskos

e-mail: ngouskos@phys.uoa.gr

Accommodation during the conference

New Aegli Hotel, Poros Island, Greece

- Accommodation prices:
 - Single room: 45 EUR (B/B), 58 EUR (H/B), 71 EUR (F/B)
 - Double room: 52 EUR (B/B), 77 EUR (H/B), 102 EUR (F/B)
 - Triple room: 64 EUR (B/B), 102 EUR (H/B), 139 EUR (F/B)
- Coffee break: 3 EUR per day

Please book your room directly at the hotel website: <http://www.newaegli.gr/en>

Satellite events	
<p>4th Workshop on Unusual Materials on 12-15 September 2013, Poros Island, Greece</p> <p><i>Personal invitation only</i> please login here</p>	